DUNKIRK GAS-FIRED BOILERS

Dunkirk
Quantum 90 Natural or Propane Gas-Fired Boilers

FEATURES:
- 90% AFUE efficiency dramatically reduces fuel consumption.
- Revolutionary cast aluminum heat exchanger transfers heat three times faster than cast iron.
- PVC venting after 5' of CVPC.
- Sealed combustion, direct vent system.
- Environmentally friendly.

STANDARD EQUIPMENT INCLUDES:
- Assembled boiler with baked enamel finish jacket.
- Honeywell L4080 high limit aquastat.
- Transformer
- 1-1/4" Taco or Grundfos circulator with isolation ball valves (Supplied loose for field mounting.)
- Temperature and pressure gauges.
- 30 psi ASME relief valve.
- Hoffman air vent.
- Service switch.

COMPLETELY INSTALLED AND WIRED SAFETY CONTROL SYSTEM WITH BURNER CONSISTING OF:
- Microprocessor based integrated boiler control.
- Stainless steel premix burner.
- Casting and vent temperature safety switches.
- Hot surface igniter.
- Automatic gas valve.
- Air flow proving switches.

CONNECTIONS:
- 120/60/1, less than 12 amps
- Vent pipe - first 5' is schedule 40 2" CPVC, then schedule 40 2" or 3 " PVC.
- Air intake- schedule 40 2"or 3" PVC
- Water In/Out - 1-1/4" NPT
- Gas in - 1/2" NPT
- Condensate drain - 1/2" PVC

Input MBH	Heating Cap MBH	I=B=R MBH*	AFUE	Dimensions H x W x D	Ship Wt.	Nat Gas Item#	Price	LP Gas Item#	Price
50	45	39	90.0%	39.5" x 28" x 19.75"	220 lbs.	Q90-50	$4,503.88	Q90-50LP	$4,272.90
75	68	59	90.0%	39.5" x 28" x 19.75"	220 lbs.	Q90-75	4,503.88	Q90-75LP	4,503.88
100	90	78	90.0%	39.5" x 28" x 19.75"	220 lbs.	Q90-100	4,503.88	Q90-100LP	4,565.58

*Ratings marked I=B=R indicate the amount of energy that can be applied to heat the radiation or terminal units. The net IBR ratings shown are based on an allowance of 1.15 in accordance with the factors shown on the I=B=R code as published by the Hydronics Institute.